IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sukant Tripathy et al.

For:

METHODS FOR POLYMERIZATION OF ELECTRONIC

AND PHOTONIC POLYMERS

Attorney's Docket No.:

NA-1219-CIP 1

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.56, 1.97 and 1.98, Applicants hereby make the documents noted on the accompanying substitutes for form 1449A/PTO documents of record in the above-identified application.

Copies of all documents listed, less document I (USP 6,569,651), were previously submitted to, or cited by, the Office in U.S. Patent Application Serial No. 09/994,998. Cited document I is enclosed herewith.

Applicants respectfully request that these documents be fully considered by the U.S. Patent and Trademark Office.

Applicants also respectfully request that a copy of Form PTO-1449 (five pages), as considered and initialed by the Examiner, be returned to the undersigned with the next communication.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No certification or fee is believed to be required.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97 and 1.98. If for any reason the Examiner considers otherwise, it is respectfully requested that the undersigned be contacted by the Examiner by telephone in order that any deficiencies may be expeditiously remedied.

The enclosed documents may have markings thereon. Applicants are not presently aware of the source of those markings, and no significance is meant to be attached thereto.

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Respectfully submitted,

Vencent J. Ranucci

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Sheet	1	of	5	Attorney Docket Number	NA-1219-CIP 1		

				U.S. PATENT DOCU	MENTS	
Examiner Initials*	Cite No.1	Number	nent Code²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Α	5,143,828		Akkara et al.	09-01-1992	
	В	5,253,100		Yang et al.	10-12-1993	
	С	5,370,825		Angelopoulos et al.	12-06-1994	
	D	5,420,237		Zemel et al.	05-30-1998	
	E	5,489,400		Liu et al.	02-06-1996	
	F	5,994,498		Tripathy et al.	11-30-1999	
	G	6,018,018		Samuelsen et al.	01-25-2000	
	Н	6,150,491		Akkara	11-21-2000	
	I	6,569,651		Samuelson et al.	05-27-2003	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	J	Tzou, K. and Gregory, R.V., "A method to prepare soluble polyaniline salt solutions - in situ doping of PANI base with organic dopants in polar solvents," Synthetic Metals, 53:365-377 (1993).	
	К	Nguyen, M.T., et al., "Synthesis and properties of novel water-soluble conducting polyaniline copolymers," Macromolecules, 27:3625-3631 (1994).	
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	Q	Chen, S. and Hwang, G., "Water-soluble self-acid-doped conducting polyaniline: structure and properties," J. Am. Chem. Soc., 117:10055- 10062 (1995).	
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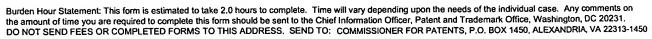
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	ซ	Kazandjian, R. Z., et al., "Enzymatic analyses in organic solvents," Biotechnology and Bioengineering, 28:417-421 (1986).	
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	AB	Bruno, F.F., et al., "Enzymatic mediated synthesis of conjugated polymers at the Langmuir trough air-water interface," Lanymuir, 11:889-892 (1995).	
	AC	Lapkowski, M., "Electrochemical synthesis of linear polyaniline in aqueous solutions," Synthetic Metals, 35:169-182 (1990).	
	AD	March, J., in Advanced Organic Chemistry - Reactions, Mechanisms, and Structure (NY: Magraw-Hill Company), pp.667, 668 (1977).	
	AE	Shinohara, H., et al., "Enzyme microsensor for glucose with an electrochemically synthesized enzyme-polyaniline film," Sensors and Actuators, 13:79-86 (1988).	

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STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Sukant Tripathy	
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	AF	Alva, K.S., et al., "Biochemical synthesis of water soluble polyanilines: poly(p-aminobenzoic acid)," Macromol. Rapid Comm., 17:859.~863 (1996).			
	AG	Liao, Y., and Levon, K., "Solubilization of polyaniline in water by interpolymer complexation," Macromol. Rapid Commun., 16: 393-397 (1995).			
	АН	Excerpts from "Plastics Engineering: Plastics - Saving Planet Earth," Volume LIII, Number 3 - (Toronto; March, 1997).			
	AI	Westerweele, E., et al., "\Inverted' Polmer Light-Emitting Diodes on Cylindrical Metal Substrates," Advanced Materials, 7(9):788-790 (1995).			
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·	AP	Akkara, J.A., et al., "Hematin-Catalyzed Polymerization of Phenol Compounds," Macromolecules 33:2377-2382 (2000).			

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	AQ	Dordick, J. S., "Enzymatic catalysis in monophasic organic solvents," 1 Eynzyme Microbial Technology 11: 194-211 (1989).				
	AR	Dunford, H.B., "Horseradish Peroxidase: Structure and Kinetic ji. Properties," In Peroxidases in Chemistry and Biology Vol. II, J. Everse, et al., eds (FL: CRC Press, Inc.), Pp 2-17 (1991).				
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	АТ	Stafström, S., et al., "Polaron Lattice in Highly Conducting Polyaniline: Theoretical and Optical Studies," The American Physical Society 59:1464-1467 (1987).				
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	AV	Przybycien et al. "Electrochemical separation utilizing metalloporphyrins and metallophthalocyanines", 1998, Chem Abstract 128: 162418.				
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